NOTICE D'UTILISATION
USER MANUAL

# Spy RF Alarm

**06255C**

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# I. INTRODUCTION

Congratulations, you own a SPY RF Alarm ! This device allows to locally advertise with a remote alarm system in case of need or order.
The SPY RF Alarm complies with EN 12830, only with temperature probes.

## a) Equipment

- 1 Spy RF Alarm
- 1 wall-mounting bracket
- 1 adhesive plaster
- 1 protection connector
- 1 user manual

## b) Symbols

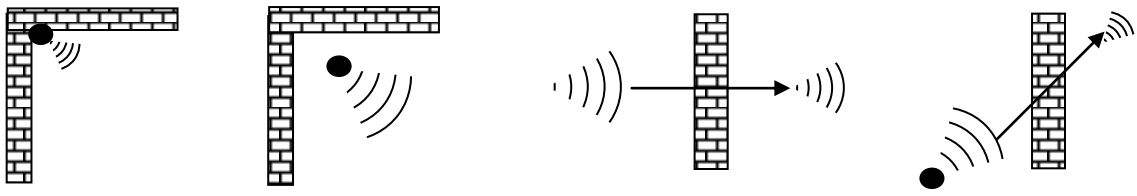
| | |
|---|---|
| | RECYCLING : do not throw in a rubbish dump or in a domestic waste container. Comply with the regulation to throw away the device. |
|  | POWER SUPPLY : this device is powered by a continuous current delivered by a main power supply adaptor (230VAC). Comply to the security and utilization regulations of electric power. Use an electric installation complying with these regulations |
| | CE MARKING :this equipment is certified to comply with the European regulation for the electric security, inflammability, disturbing radiation emission and immunity to surrounding electric disturbances. |
| | FCC ID:W45 03330<br>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation<br>In accordance with FCC requirements, changes or modifications not expressly approved by JRI Maxant could void the user's authority to operate this product.<br>NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense |

# II. INSTALLATION RECOMMENDATIONS

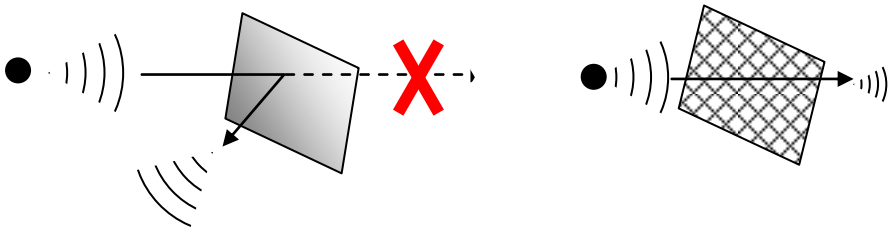
The Spy RF Alarm is an alarm device able to communicate wirelessly with the operating software SIRIUS.
The wireless communication is based on radio frequency. As we are daily in contact with it (radio, TV…) it is easy to think that it always works. This is true if basic rules on the positioning of recorders are respected because wireless communication is subject to perturbations.

## a. Perturbations sources

- Presence of obstacles in the way of the waves between the Spy RF ModeM and the Spy Rf (wall, ceiling, person, furniture…) or close to the antenna.
- Obstacles thickness in the way of the waves. The absorption is more important in diagonal as perpendicularly

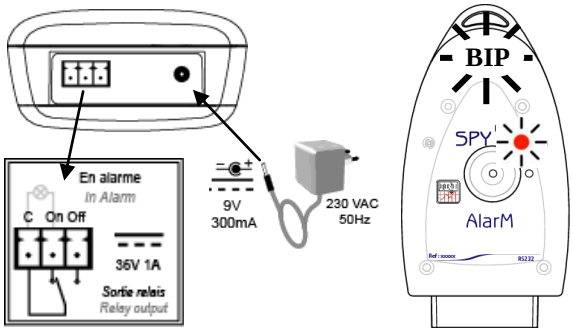


- Waves cannot pass through full metallic walls. On the other hand, a perforated wall allows the waves passing with attenuation



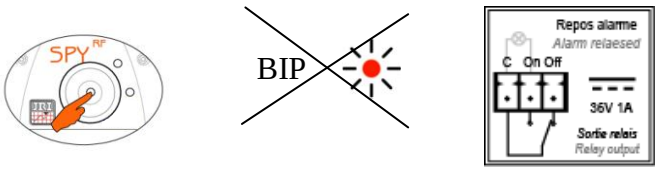
# III. PRESENTATION

**Functioning**
***In alarm***




*By default, the alarm is alternatively on and off 4'only for the relay.*

**Stop alarm**



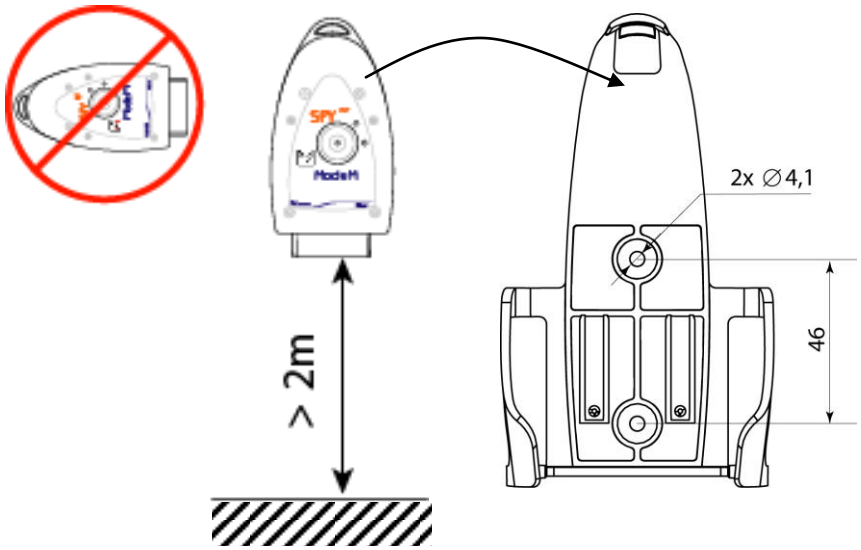

*Stop is temporary (4 min) only for the relay. The alarm will go on again until it will be acknowledged by Sirius.*
*The relay will stop after a number of cycle (see p 4). The led and buzzer will always advertise. The relay functioning will be initialized after a Sirius acknowledgement.*

# IV. INSTALLATION

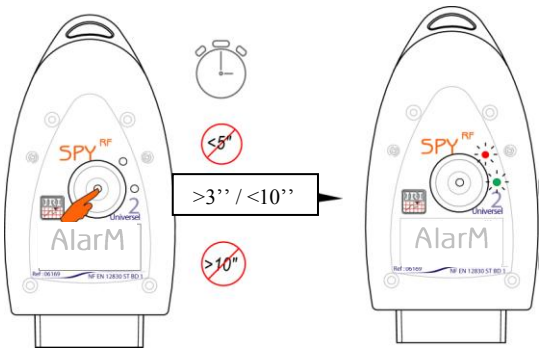
## a) Installation recommendations

- Place the devices at ~2m high and around 30 to 40cm from the ceiling to avoid obstacles and moving persons.
- If possible, place the Spy RF in central position regarding the Spy RF recorders.
- Try to place them preferably at sight of each other.
- On the wall, it is preferable to them aside by using the special bracket (ref 08512) of the catalog.
- Place the antenna above the top the monitored unit (fridge, incubator, oven, cold rooms…),.
- Never place the Spy RF horizontally.
- If some difficulties persist, it is possible to use Spy Rf RelaY (repeaters) or to connect another Spy RF ModeM to the Ethernet network (LAN).

## b) Installation of wall-mounting bracket



### c) Activation

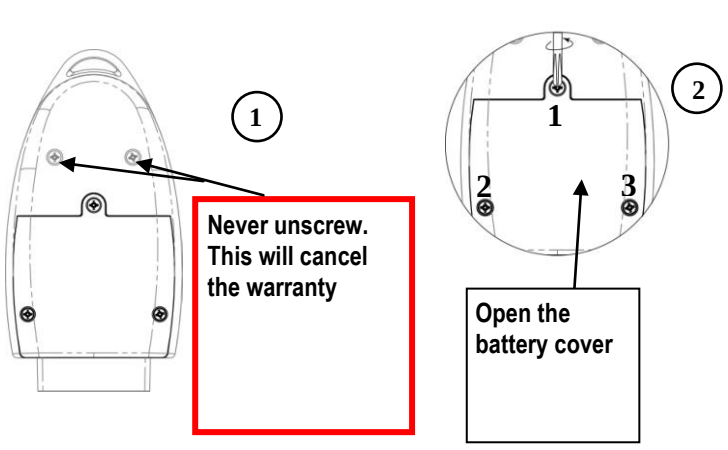


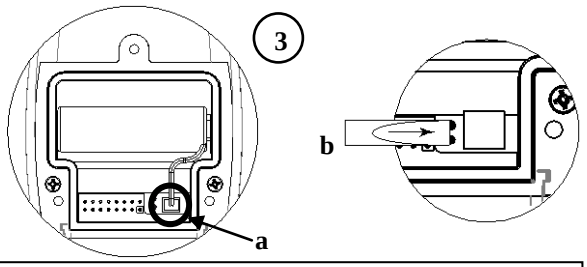

To start the SPY RF, press between 3 and 10" on the button:
- the 2 LEDs are on and flash at the same time
- The green led blinks evry seconds

To stop the Spy RF, press on between 3 to 10" on the button
- the 2 leds are on and and flash one after the other.

Stop is possible only if there is no alarm, otherwise acknowledge it before with Sirius.

## V. BATTERY CHANGE




a) *Unplug the battery connector.*
b) *Short circuit the 2 pins with a screwdriver*
c) *Connect the new battery*
d) *Change the seal*
e) *Close the battery cover*

***KEEP THE BATERY FAR FROM THE FIRE ; DO NOT TRY TO RELOAD OR TO SHORT CIRCUIT IT. USE ONLY BATTERIES SUPPLIED BY JRI (REF 06569)***

## VI. RESET

If the device does not work anymore (cannot turn it on…), use the Reset function in the same way as the battery change.

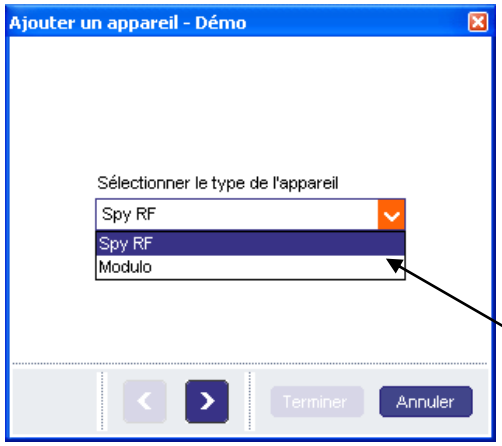
## VII. CHARACTERISTICS

| | |
|---|---|
| Duration alarm on | Suitable |
| Duration alarm off | Suitable |
| Operating range | -10°C +70°C |
| Storage range | -40 + 85°C |
| Radio range (in free field) | 1km |
| Radio band | 868MHz or 902MHz |
| Power supply | 9 VDC – 300 mA* |
| battery life | *200* alarms or 2years |
| Dimensions | 123x69x30mm |
| Protction degree | IP34 |
| CE ERM conformity | EN 301 489 / EN 61000 / EN 61010 EN 55022 / EN 300 220 |
| FCC conformity | FCC part 15 |

** Supplied for the european market*

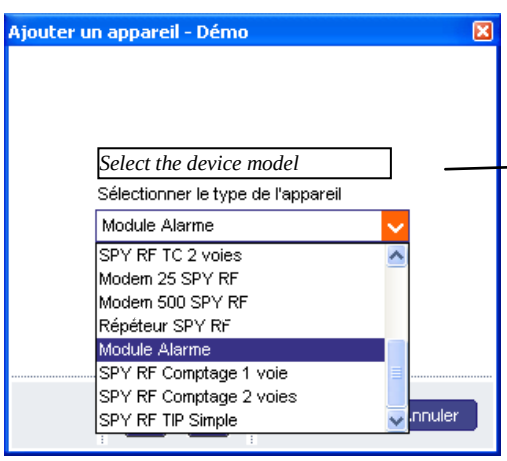
# VIII. ADDING SPY RF ALARM IN SIRIUS

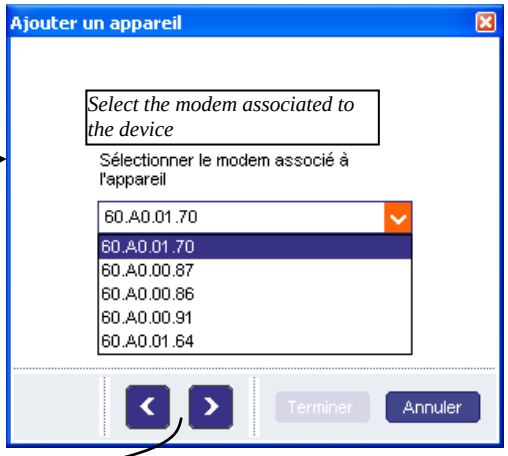
*In Sirius click on Device management and then on*
*Follow the instruction bellow*

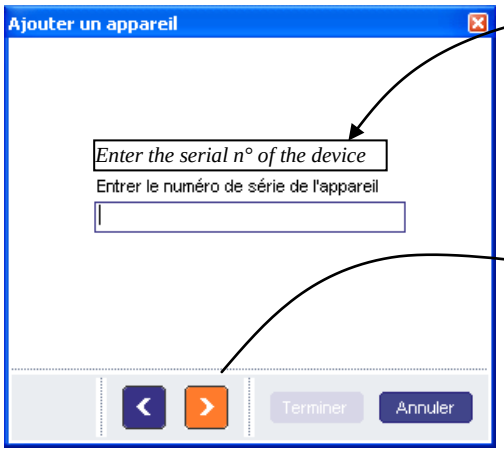


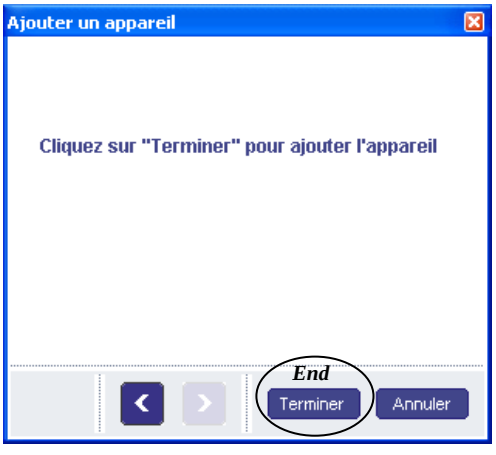

***Name*** *: Remote alarm identification*
***Support*** *: Alarm module then N° of concerned Spy RF AlarM*
***Type*** *: Choose for what sort of alarm*
***Target*** *: Monitoring units concerned*
***Time delay*** *: Delai before alarm goes on*

*Choose the type of recorder*


Ajouter un appareil - Démo
Select the device model
Sélectionner le type de l'appareil
Module Alarme
SPY RF TC 2 voies
Modem 25 SPY RF
Modem 500 SPY RF
Répéteur SPY RF
Module Alarme
SPY RF Comptage 1 voie
SPY RF Comptage 2 voies
SPY RF TIP Simple




*After Ending, the window will close and the Spy RF AlarM is installed and appear in the fleet*

## Setting up

The Spy RF AlarM as a default settings:
When an alarm goes on, the buzzer, the led turn on. The relay contact turn on during **4'** and turn off automatically **4'** later 5 time by default before sopping definitively.
These activation / relaese delay are programable
From **Device management** page (in Sirius), select the Spy RF AlarM (90 AX XX XX) and then click on **More details** button

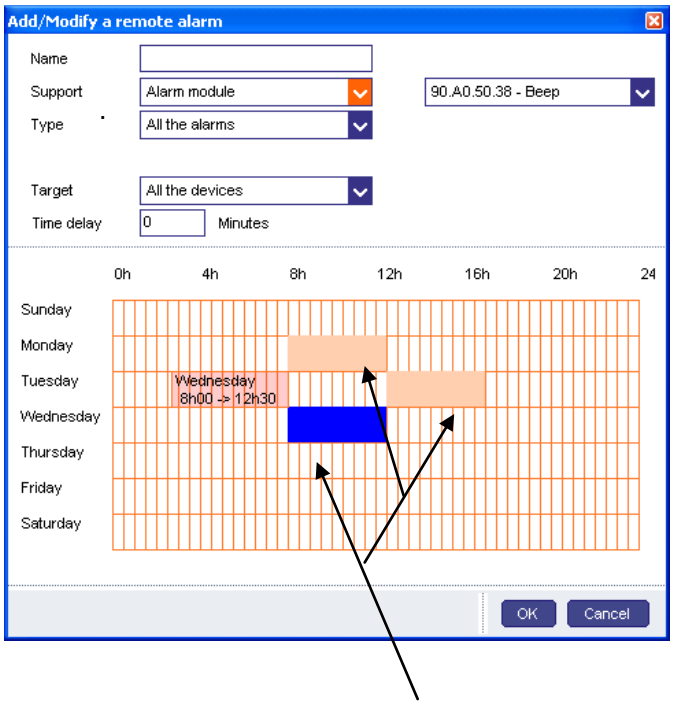
| | | |
|---|---|---|
| Number of relay command | 5 | |
| Duration of relay command | 240 | |
| Del and Buzzer Temporisation | 4 | |

① ② ③

*1 = Number of open/close contact cycle before relay stop*
*Acknoledge the alarm in Sirius to initialize it again*
*2 = contact duration for each state(in second)*
*3 = activation led and buzzer coefficient.*
***(Take care changing this setting modifies the duration of battery life)***

## Sending remote alarm

*To remote alarms through the Spy RF AlarM, open **Configuration** window and click on **Remote alarms***




*Time period in which the remote alarm is activated. Each square equals to 30 minutes. The selection or deselection of a period is done by a click / slide.*

## IX. WARRANTY

JRI products carry a one year warranty and guarantee against defects in their components or workmanship.
During this period if any product supplied by the Company proves on inspection to be defective, the Company will at its own option replace the same or refund to the Buyer the price of the product.
In no circumstances will JRI' liability exceed the price of the product paid by the buyer or the cost of replacement.
JRI shall not in any event be liable to the Buyer for any indirect or consequential loss or damage costs or expenses whatsoever which might arise out of or in connection with the supply of the product or its consequent use.
Consequently, the products warrantee and guarantee specified above, does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification, or use with non-JRI' hardware/software. No warranty of fitness for a particular purpose is offered and the user assumes the entire risk of using the product.
In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

## X. MAINTENANCE CONTRACT

### How to optimize your radio frequency installation?

RF measuring systems communicate by radio frequency. However, there may be several factors that can modify the radio ways already defined, such as moving from a building, adding walls, … Radio frequency requires thus a periodical follow up performed by specialists.

That's why JRI has created maintenance contracts. We bring you a global solution which makes your maintenance easier. This overall service offer includes maintenance and also metrological services, which ensure you that your system is fully performant.

**You won't worry about your devices maintenance anymore** !

With this maintenance contract you will benefit for a minimal period of 2 years from the following advantages:

- material verification once or twice a year
- warranty extension
- telemaintenance
- telephone assistance **+33 (0) 892 680 933 (0,282 € HT/min)**
- material replacement on site or by return in our manufacture
- metrological certificates: verification of measurement accuracy
- battery change
- access to new software versions and updates
- on-site intervention time within 3 open days after problem identification by our experts

## XI. ENVIRONMENT PROTECTION

JRI recommends to our customers to throw away their measuring and recording devices which are unserviceable and/or beyond repair in a way that is appropriate to environment protection. As the production of waste cannot be avoided, it is best to re-use them by proceeding with adapted recycling depending on the material used and considering the environment protection.

**RoHS Directive**

The ROHS European Directive rules and limits the presence of hazardous substances in electrical and electronic equipments (EEE).

In the article 2, the scope of this Directive excludes "9. Monitoring and Control Instruments" and our products are part of this category. Nevertheless, our company has decided to apply the whole dispositions of this Directive for all our new electronic devices which will comply to this 2002/95/CE Directive.